

Patent Application
Docket No. 34646-00436USPX

In the Claims

Please amend the following claims:

1 1. (Currently Amended) A mobile LAN for a first number of hosts, comprising:
2 a router connected to said first number of hosts in the mobile LAN;
3 a mobile station connected to said router, said mobile station adapted to wirelessly
4 communicate to an external network;
5 at least one host in the first number of hosts being capable of generating packet
6 data including a locally defined network layer address suitable for transmission within said
7 mobile LAN;
8 memory connected to said router for storing one or more globally defined network
9 layer addresses of the kind utilized in communicating data ~~from any of said first number of hosts~~
10 to at least one host connected in said external network; and
11 an address translator connected to said memory and said router for translating said
12 ~~packet data~~ locally defined network layer address generated by said at least one host in the first
13 number of hosts into one of said one or more globally defined network layer addresses ~~packet~~
14 ~~data suitable for transport to said at least one host in said external network, said translated packet~~
15 ~~data including one of said globally defined addresses stored in said memory.~~

1 2. (Currently Amended) A mobile LAN as claimed in claim 1, wherein:
2 said address translator, after receiving data received via said mobile station,
3 changes a destination address field of data packets originated externally to said mobile LAN and

Patent Application
Docket No. 34646-00436USPX

4 intended for a first of said first number of hosts from a globally defined network layer address
5 into a locally defined network layer address that identifies said first of said first number of hosts.

3. (Cancelled)

1 4. (Previously Amended) A mobile LAN as claimed in claim 1, wherein:
2 said router, said memory and said address translator are disposed in said mobile
3 station.

1 5. (Currently Amended) A mobile LAN as claimed in claim 1, wherein:
2 the number of said one or more globally defined network layer addresses stored in
3 said memory is one.

1 6. (Previously Amended) A method of communicating packet data between a first host
2 among a first number of interconnected hosts in a mobile LAN and a second host in an external
3 network utilizing globally defined addresses, said packet data being routed and radio transmitted
4 to said external network, said method comprising the steps of:
5 (a) utilizing a locally defined network layer address in said packet data to be
6 communicated by said first host within said mobile LAN;
7 (b) storing, in a router associated with said first number of interconnected hosts in
8 the mobile LAN, one or more globally defined network layer addresses of the kind utilized in
9 communicating ~~said packet data between said interconnected hosts~~ and said second host in the
10 external network, and

Patent Application
Docket No. 34646-00436USPX

11 (c) translating the locally defined network layer address in said packet data
12 communicated by the first host into one of the said globally defined network layer addresses
13 stored in step b).

Claims 7-10 (Previously Cancelled)

1 11. (Currently Amended) The mobile LAN of claim 1, wherein:

2 a plurality of said globally defined network layer addresses are stored in a
3 memory closely associated with said router, said address translator translating said packet data
4 generated by said at least one host in the first number of hosts, prior to a wireless communication
5 with said external network, to include a first globally defined network layer address stored in
6 said memory so long as successive communications between said at least one host in the first
7 number of hosts and said at least one host in the external network occur within a predetermined
8 period of time from each other.

1 12. (Currently Amended) The mobile LAN of claim 11, wherein:

2 said address translator translates said packet data generated by said at least one
3 host in the first number of hosts to include a second globally defined network layer address
4 stored in said memory upon an affirmative determination that said successive communications
5 between said at least one host in the first number of hosts and said at least one host in the
6 external network occurred a period of time apart from each other that is greater than said
7 predetermined period of time.

Patent Application
Docket No. 34646-00436USPX

1 13. (Previously Amended) The mobile LAN of claim 1, wherein:

2 said router directs said translated packet data towards a wireless interface between
3 said mobile LAN and said external network, and then to at least one host in the external network.

1 14. (Currently Amended) The method of claim 6, further including the step of:

2 routing said packet data having said globally defined network layer address to
3 said second host via a wireless network.

1 15. (Currently Amended) The method of claim 6, further comprising the steps of:

2 receiving packet data from said second host, said packet data including a globally
3 defined network layer destination address identifying the first host;

4 translating said globally defined network layer destination address in said packet
5 data from said second host into a locally defined network layer destination address that identifies
6 the first host; and

7 routing to the first host said packet data from said second host having said locally
8 defined network layer destination address.

1 16. (Currently Amended) The method of claim 6, wherein:

2 said step of storing stores one globally defined network layer address.

1 17. (Currently Amended) The method of claim 6, further comprising the step of:

2 sending said packet data having said globally defined network layer address to
3 said second host from a mobile station; and

Patent Application
Docket No. 34646-00436USPX

4 said step of storing stores said one or more globally defined network layer
5 addresses in the mobile station.

1 18. (Currently Amended) The method of claim 6, wherein:

2 said locally defined network layer address in said packet data communicated by
3 the first host is translated into a second one of said globally defined network layer addresses
4 upon successive communications of packet data between the first host and the second host
5 occurring a period of time apart exceeding a predetermined period of time.

1 19. (Currently Amended) A method of communicating packet data between a first host
2 connected in a mobile local area network (LAN) and a second host connected in an external
3 network, said method comprising the steps of:

4 generating packet data by said first host in the mobile LAN, said packet data
5 including a locally defined network layer address identifying said first host;

6 storing one or more ~~global~~ globally defined network layer addresses ~~of the kind~~
7 ~~appearing in said packet data for communicating between said first host and said second host~~
8 ~~with said external network~~;

9 translating said locally defined network layer address appearing in said packet
10 data generated by said first host in the mobile LAN into one of the stored ~~global~~ globally defined
11 network layer addresses; and

12 routing said packet data having said translated ~~global~~ globally defined network
13 layer address therein towards said second host in said external network.

Patent Application
Docket No. 34646-00436USPX

1 20. (Currently Amended) The method of claim 19, wherein said step of translating
2 comprises the steps of:

3 assigning a first stored ~~global~~ globally defined network layer address to said first
4 host and replacing said locally defined network layer address in said packet data generated by
5 said first host with said first stored ~~global~~ globally defined network layer address so long as
6 successive communications of packet data between said first host and said second host occur
7 within a predetermined period time of each other.

1 21. (Currently Amended) The method of claim 20, wherein said step of translating
2 further comprises the steps of:

3 assigning a second stored ~~global~~ globally defined network layer address to said
4 first host following said step of assigning [a] the first stored ~~global~~ globally defined network
5 layer address and upon an affirmative determination that a period of time occurring between
6 successive communications of packet data between said first host and said second host exceeds
7 said predetermined period of time, and replacing said locally defined network layer address in
8 said packet data generated by said first host with said second stored ~~global~~ globally defined
9 network layer address.

1 22. (Currently Amended) The method of claim 19, further comprising the steps of:

2 receiving packet data transmitted by said second host towards said first host;

3 changing a destination address appearing in said packet data transmitted by said
4 second host from a globally defined network layer address into a locally defined network layer
5 address identifying said first host; and

Patent Application
Docket No. 34646-00436USPX

6 forwarding said packet data having the changed destination address to said first
7 host.

1 23. (Currently Amended) The method of claim 19, wherein:
2 said step of routing comprises the step of transmitting said packet data having said
3 translated ~~global~~ globally defined network layer address therein from a mobile station; and
4 said step of storing comprises the step of storing said one or more ~~global~~ globally
5 defined network layer addresses in ~~said a router means~~.

1 24. (Currently Amended) The method of claim 19, wherein:
2 said step of storing stores one ~~global~~ globally defined network layer address.